

IN THE SPECIFICATION

The specification as amended below with replacement paragraphs shows added text with underlining and deleted text with ~~striketrough~~.

Please REPLACE the paragraph beginning on page 1, line 7, with the following:

The present invention generally relates to a technology of designing and developing a mechanism which includes an actuator and a sensor and makes a three-dimensional motion, and more particularly to a support system for supporting the development of a control program (embedded software) to be embedded in the mechanism to control the mechanism. The invention relates also to a computer-readable recording medium in which a support program is recorded.

Please REPLACE the paragraph beginning on page 1, line 17, with the following:

Generally, when designing a mechanism₁ which includes an actuator (motor) and a sensor₁ and makes a three-dimensional motion, ~~firstly~~ first a plan for the mechanism is made, ~~and then~~ followed by detail designing, preparation of drawings, and preparation of parts₁ are ~~followed~~, whereupon a real mechanism is assembled of the prepared parts as a trial product and then motions, for example, of the trial product are evaluated. And design changing is made according to the result of evaluation, and then a modified trial product is assembled based on the design changing, whereupon motions, for example, of the modified trial product is evaluated. This procedure is repeated until a good result of evaluation is obtained, which requires no further design change, thus completing designing. The term "mechanism" means any mechanism exemplified by CD changer, MD changer, printer, and manipulator.

Please REPLACE the paragraph beginning on page 2, line 13, with the following:

According to the conventional art, by the time the control program (embedded software) is developed, a trial product (real mechanism) of an object mechanism to be ~~control~~ controlled ~~had~~ has been completed. Namely, the mechanism cannot be practically moved until after completion of the trial product. Evaluation data is collected as the mechanism is practically (actually) moved, based on which developing of embedded software can be started.